

IN THE CLAIMS

Claims 1-24. (Canceled)

Claim 25. (Currently Amended) A 360-degree toothbrush comprising:
a brush handle;
and a radial brush head in a cylindrical shape, constituted by superposing a plurality of disc shaped radial vanes arranged in the axial direction and fixed to a tip portion of the handle of the toothbrush,
wherein the disc shaped radial vanes each comprises:
a disk-shape portion,
a through hole formed at a center part of the disk-shaped portion, through which a tip portion of a handle of the toothbrush penetrates;
a weld portion in an annular shape provide around the through hole; and
a plurality of bristle members extending outward from the weld portion in a radial direction of the disk-shape,

wherein the weld portion of each of said disc shaped radial vanes includes first and second surfaces and a protrusion formed on at least one of the first and second surfaces to form clearances between the disc shaped radial vanes fixed to the tip portion of the handle of the toothbrush.

Claim 26. (Cancelled).

Claim 27. (Currently Amended) The 360-degree toothbrush according to claim [[26]] 25, wherein the protrusion is an annular protrusion continuing in a circumferential direction.

28. (Currently Amended) The 360-degree toothbrush according to claim [[26]] 25, wherein the protrusion is formed as a group of protrusions formed interspatially along a circumferential direction.

Claim 29. (Previously presented) The 360-degree toothbrush according to claim 25, wherein the plurality of radial vanes that constitute the radial brush head include at least one hard radial vane having bristles of a large diameter and at least one soft radial vane having bristles of a small diameter mixed therein.

Claim 30. (Previously presented) The 360-degree toothbrush according to claim 25, wherein the plurality of radial vanes that constitute the radial brush head include at least one radial vane of a large diameter having a long bristle length at a brush portion and at least one radial vane of a small diameter having a short bristle length at the brush portion mixed therein.

Claims 31-41. (Cancelled).